

Members Present: Drs. Erica Teixeira (Chair), Piriya Boonsiriphant, Manuel Gomez, David A. Jones, Leonardo Marchini, Patty Meredith, Rodrigo Rocha Maia, Marcos Vargas, Theodoros Katsaros, John Syrbu, Trishul Allareddy, Ron Elvers, Lily T. Garcia, Mr. Charles W. McBrearty, Mr. Ivan Medin and Kyle Nicholson (D3)

Absent: Drs. Zeina Al-Salihi, Kyle Stein, Galen Schneider and Elliott Glenn (D4)

Guest: Dr. Kecia Leary, Amira Ahmed, Mr. Curtis Iburg and Dean Scott Arneson

Meeting called to order 12:03 p.m.

I. **Approval of April 11, 2018 minutes** – Dr. E. Teixeira

No meeting held May 2018

MOTION: to approve the minutes as submitted and seconded.

MOTION APPROVED.

II. **Department of Periodontics – Cordless Prophylaxis System** – Dr. E. Teixeira & Avila Ortiz (See attachment)

A. Special request for use limited to hygiene units in the Department of Periodontics

- Department of Periodontics hygienists believe the new handpiece is heavier than current air-driven handpieces.
- The Department of Periodontics has identified a cordless handpiece unit and has requested latitude to purchase four (4) handpieces in addition to twenty (20) outer sheaths.
- Overall, it was thought to maintain the standardized approach for the College. One option is to let the periodontics hygienists continue using the air-driven handpieces until depleted. The current handpieces could last if handled and cleaned properly.
- It was mentioned that the hygienists were using incorrect settings which may have contributed to their dissatisfaction. Bien-Air has offered to visit and assist.
- A key concern is lack of standardization. There will be a distinct difference in support for hygienists in the Department of Periodontics as opposed to all other hygienists.

B. Department-funded initiative

- Question arose as to the type of flexibility a department has to use their discretionary funds and what is the responsibility of the committee to improve the process for the hygienists.

ACTION ITEM: Dr. Garcia to follow-up with Administration.

III. **Electric Handpieces – programmatic needs re: settings** – Dr. A. Ahmed (See Attachment)

- A. Dr. Ahmed presented select settings as presets for the electric handpieces, in relation to student learning. Currently there are 5 settings and 3 attachments designated for use. Please see the attachment for Dr. Ahmed's presentation. The proposal for the new settings was initiated in Department of Operative with collaboration of Pros,

- PCD, and other departments that are currently teach students in the simclinic and clinic.
- B. In order to accommodate the proposal, creating presets requires 20-30 minutes per handpiece.
 - C. Others suggested the need for a work group and students suggested to label as simply as possible, e.g. instead of operative prep, maybe had “preparation” as the label.

Motion: Accept proposed settings to include recommendations from Prosthodontics, Preventive & Community Dentistry, and Geriatrics & Special Needs.

Motion approved.

ACTION ITEM: Finalize proposed settings and communicate with Facilitates Manager (J.Bringman) to implement changes before the academic year starts.

- IV. **D3-D4 Training for use of Electric Handpieces** – Dr. Syrbu
The current D3/new D4s will participate in electric handpiece training before starting in D4. This will occur during Family Dentistry Orientation.
- V. **Glidewell Fellowship Program** – Dr. LT Garcia (see attachment)
For informational purposes only: the Glidewell Fellowship Program information was shared, although past application date. Dr. Garcia is seeking committee advice on whether this should be made available since limited to a one-year program. Graduating students may be interested in this as well. They must have a California license in order to qualify.
- VI. **Update: Dental Curing Lights** – Dr. E. Teixeira & Mr. S. Arneson
The dental curing lights have been delivered and located in all Family Dentistry units, serial numbers will be recorded, and “checked out”. Use and storage of batteries was presented; mobile carts will have sleeves readily available.

Next Meeting: August 2018

Minutes recorded: Ms. Lauren Moniot

Technology Request Form for Patient/Simulation Clinic
(Includes Software Installation)

Faculty/Department Requesting: Dr. Avila-Ortiz / Periodontics

Technology (Equipment/Software) Name: Nupro Freedom Cordless Prophy System

Vendor Contact Information: **Dentsply Professional Division** 1301 Smile Way York, PA 17404
1-800-989-8825

Vendor Rep: joel.pluymert@dentsplysirona.com

Telephone 616-481-3558

RETURN COMPLETED FORM TO CHAIR, HEALTH TECHNOLOGIES COMMITTEE

- I. Brief description of the purpose of the technology and how it will be used (consider potential learning outcomes, patient care benefits, utility, quality, acceptance and longevity):

The Nupro Freedom Prophy system uses a cordless hand piece for delivering patient treatment. The system is quieter than the current low speed hand pieces and is wireless, allowing the clinician to easily maneuver in the mouth for the angles necessary to perform the polishing. The light weight design allows the clinician freedom in movement and reduced hand fatigue compared to the pneumatic and Bien Air designs. The quietness of the motor also helps reduce noise and improve patient satisfaction in care provided. The units come with a 1 year warranty on the reusable outer sleeve, which is sterilized by the CSS department. The motor and hand piece come with a 3 year warranty.

- II. In what location(s) is the technology to be installed?
Department of Periodontics clinics – Primarily in the hygiene units
- III. Who is responsible for maintaining software/hardware updates?
Kelby Scandrett, Nurse Coordinator, Periodontics

Skip questions IV - IX if requested technology not software related:

- IV. Hardware specification requirements
[Click here to enter text.](#)
- V. How is the software licensed (dongle, PC based, server based)?
[Click here to enter text.](#)
- VI. Does the use of the software involve patient protected health information?
[Click here to enter text.](#)
- VII. Does the use of the software involve sending data outside the College of Dentistry? Explain.
[Click here to enter text.](#)
- VIII. Does the software integrate with axiUm or MiPACS?



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[Click here to enter text.](#)

- IX. Does the software require workstation administrator rights to run?

[Click here to enter text.](#)

- X. Will the Vendor require remote access? No

- XI. Evidence: Please include evidence available and/or best practices
The Perio Hygiene team had been working with the pneumatic and Bien Air electronic hand pieces. They noted in the initial trial that the Bien Air was heavy, added to hand fatigue and that the head did not pivot easily for the prophylaxis cases because of the cord and head positioning. Kelby worked with the Bien Aire Rep to try to reduce this concern with Hygiene, but without success. We reviewed the available wireless systems as well as the Bien Air system for alternatives and decided to trial the Nupro Freedom Cordless Prophylaxis system. The Nupro Freedom system was 120g in weight and allowed easy access to all areas of the patient teeth because there was no attachment cord to the hand piece.

The Hygiene team each tested this system for a minimum of 5 cases a day, and a minimum of 3 days use to review hand fatigue, usability, battery degradation.

Hygiene review comments:

- Felt lighter because of less drag/pull from cord - able to stay in a better ergonomic position, less tiresome on wrist, less grip used
- Polishing takes less time - no readjustment of cord during polishing
- Better angulation due to no cord
- Very Quiet – Patient commented that it was quiet compared to what was used in the past, when asked
- Option to not use foot pedal - great for difficult to work on patients (those who can't fully recline, special needs, etc.)
- Reduced noise in the unit

"The foot pedal and cordless feature makes it ergonomically better. I feel like I can sit where I need to without constantly adjusting cords and reaching over the patient."

"Light weight, no pull from cords for fatigue of hands and wrist. Quiet hand piece. The quietness helps with sound reduction so our hearing doesn't get impaired. Surprisingly, has strong torque and speed, removed mod to heavy stain."

- XII. Training: Is there a plan for training (student/faculty/residents/specify users)?

Yes;

Training was completed during the initial trial process. Each Hygiene member was shown how to use the equipment, including the foot pedal and hand piece with the available prophylaxis angle. Kelby Scandrett worked with the Dentsply Rep Joel to setup the trial equipment. Kelby also worked with Curtis Iburg and the CSS team to review the CDC sterilization guidelines compliance for the outer sheath. Kelby will review the cleaning procedure with Hygiene as well as recharging schedule with the Hygiene group.



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- XIII. Cost: How much will it cost? Include any annual maintenance/upgrade fees.
Initial Equipment Costs:

Item #	Description	Unit Price	QTY	Total
90741L05	Nupro Freedom Cordless Prophy Package	\$720.00	4	\$2,880.00
90796	Nupro Freedom Metal Outer Sheath	\$124.80	20	\$2,496.00

Disposables:

965751	Freedom Angle, Soft tip, Lavendar-Econo box (qty 1200)	\$351.49	2	\$702.98
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Case Costs – \$0.29/case + sterilization of the reusable outer sheath (which is equal to the current sterilization costs).

No Maintenance/Upgrade fees. System comes with a three year warranty on the electric motor in the hand piece.

- if supported by grant or external funding, include account and PI name:
[Click here to enter text.](#)
- if a "Gift in Kind" or "Preferred Development Agreement", please see Dean Arneson and include with request form (yes/no/not applicable).
[Click here to enter text.](#)

- XIV. Company characteristics (include name, reason for choice, alternative if company goes out of business, representative contact):

DentsplySirona

Selected this because of longevity of Dentsply.

If out of business, which is unlikely, we will use Bien Air or the current pneumatic devices.

Vendor Rep: joel.pluymert@dentsplysirona.com Telephone 616-481-3558

- XV. Self-bias or possible conflict of interest:

None

- X. Implications for Curriculum – specify if related to predoctoral and/or advanced education curriculum:

- Identify area of curriculum incorporation: Predoctoral and/or Advanced Education Program(s)
[Click here to enter text.](#)
- Responsible individual to submit proposal into existing course or creation of new course:
[Click here to enter text.](#)
- Curriculum proposal for submission to Curriculum Committee for review (include course no.):
[Click here to enter text.](#)



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Faculty Signature: _____ Date: _____

INTERNAL USE ONLY

Technology & Media Services Review: [Click here to enter text.](#)

Central Sterilization Services Review: [Click here to enter text.](#)

Health Technologies Committee Approval: [Click here to enter text.](#)

Office for Education Approval: [Click here to enter text.](#)

Office for Finance & Facilities:

Business Associates Agreement required (yes/no): [Click here to enter text.](#)

Business Associates Agreement on file (yes/no): [Click here to enter text.](#)

Purchasing Contract/PO Information: [Click here to enter text.](#)

DEO Signature: GUSTAVO ARIAS ORTIZ Date: 5/8/18

Form should be submitted to HTC Chair



CURRENT: 5 Operative PROGRAMMED SETTINGS

1. Program 1 = Highspeed

- Ratio 1:5 = CA 1:5 L handpiece
- Speed = 200,000 RPM
- Torque = 0.70 Ncm (100%)

2. Program 2 = Slowspeed

- Ratio 1:1 = CA 1:1 L handpiece
- Speed = 40,000 RPM
- Torque = 3.5 Ncm (100%)

CURRENT: 5 Operative PROGRAMMED SETTINGS

3. Program 3 = Straight

- Ratio 1:1 = Straight 1:1 attachment
- Speed = 40,000 RPM
- Torque = 3.5 Ncm (100%)

4. Program 4 = FG Slowspeed

- Ratio 1:5 = CA 1:5 L handpiece
- Speed = 20,000 RPM
- Torque = 0.70 Ncm (100%)

CURRENT: 5 Operative PROGRAMMED SETTINGS

5. Program 5 = Polishing Straight

- Ratio 1:1 = Straight Attachment
- Speed = 5,000 RPM
- Torque = 3.5 Ncm (100%)

Up to 20 programs available for personalized settings in Operative mode. Within any operative program, by moving the cursor with the UP and DOWN arrows, you can select any setting (ratio, speed, torque) and adjust to a different value by using the LEFT and RIGHT arrows to scroll through options.

DRAFT: NEW Operative PROGRAMMED SETTINGS

1. Program 1 = FG Preparation

- Ratio 1:5 = CA 1:5 L handpiece
- Speed = 200,000 RPM
- Torque = 0.70 Ncm (100%)

2. Program 2 = FG Caries Removal

- Ratio 1:5 = CA 1:5 L handpiece
- Speed = 1,500 RPM
- Torque = 0.70 Ncm (100%)

DRAFT: NEW Operative PROGRAMMED SETTINGS

3. Program 3 = FG Restoration Polish

- Ratio 1:5 = CA 1:5 L handpiece
- Speed = 4,500 RPM
- Torque = 0.70 Ncm (100%)

4. Program 4 = Latch Restoration Polish

- Ratio 1:1 = CA 1:1 L handpiece
- Speed = 6,000 RPM
- Torque = 3.5 Ncm (100%)

DRAFT: NEW Operative PROGRAMMED SETTINGS

5. Program 5 = Polishing Straight

- Ratio 1:1 = Straight Attachment
- Speed = 3,000 RPM
- Torque = 3.5 Ncm (100%)

6. Program 6 = Straight Adjustment

- Ratio 1:1 = Straight Attachment
- Speed = 40,000 RPM
- Torque = 3.5 Ncm (100%)

SIM Clinic

**DRAFT: NEW Operative PROGRAMMED
SETTINGS**

DRAFT: NEW Operative PROGRAMMED SETTINGS (Simclinic)

1. Program 1 = FG Preparation

- Ratio 1:5 = CA 1:5 L handpiece
- Speed = 200,000 RPM
- Torque = 0.70 Ncm (100%)

2. Program 2 = FG Caries Removal

- Ratio 1:5 = CA 1:5 L handpiece
- Speed = 750 RPM
- Torque = 0.70 Ncm (100%)

DRAFT: NEW Operative PROGRAMMED SETTINGS (Simclinic)

3. Program 3 = FG Restoration Polish

- Ratio 1:5 = CA 1:5 L handpiece
- Speed = 4,500 RPM
- Torque = 0.70 Ncm (100%)

4. Program 4 = Latch Restoration Polish

- Ratio 1:1 = CA 1:1 L handpiece
- Speed = 6,000 RPM
- Torque = 3.5 Ncm (100%)

DRAFT: NEW Operative PROGRAMMED SETTINGS (Simclinic)

5. Program 5 = FG Prosth

- Ratio 1:5 = CA 1:5 L handpiece
- Speed = 20,000 RPM
- Torque = 0.70 Ncm (100%)

6. Program 6 = Straight Adjustment

- Ratio 1:1 = Straight Attachment
- Speed = 40,000 RPM
- Torque = 3.5 Ncm (100%)

Electric Handpiece NEW Operative PROGRAMMED SETTINGS

1. Program 1 = FG Preparation

- Ratio 1:5 = CA 1:5 L handpiece
- Speed = 200,000 RPM
- Torque = 0.70 Ncm (100%)

2. Program 2 = FG Caries removal

- Ratio 1:5 = CA 1:5 L handpiece
- Speed = 1,500 RPM
- Torque = 0.70 Ncm (100%)

3. Program 3 = FG Restoration Polish

- Ratio 1:5 = CA 1:5 L handpiece
- Speed = 4,500 RPM
- Torque = 0.70 Ncm (100%)

4. Program 4 = Latch Restoration Polish

- Ratio 1:1 = CA 1:1 L handpiece
- Speed = 6,000 RPM
- Torque = 3.5 Ncm (100%)

5. Program 5 = Polishing Straight

- Ratio 1:1 = Straight Attachment
- Speed = 5,000 RPM
- Torque = 3.5 Ncm (100%)

6. Program 6 = Straight Adjustment

- Ratio 1:1 = Straight Attachment
- Speed = 40,000 RPM
- Torque = 3.5 Ncm (100%)

Electric Handpiece NEW Operative PROGRAMMED SETTINGS (Simclinic)**1. Program 1 = FG Preparation**

- Ratio 1:5 = CA 1:5 L handpiece
- Speed = 200,000 RPM
- Torque = 0.70 Ncm (100%)

2. Program 2 = FG Caries removal

- Ratio 1:5 = CA 1:5 L handpiece
- Speed = 750 RPM
- Torque = 0.70 Ncm (100%)

3. Program 3 = FG Restoration Polish

- Ratio 1:5 = CA 1:5 L handpiece
- Speed = 4,500 RPM
- Torque = 0.70 Ncm (100%)

4. Program 4 = Latch Restoration Polish

- Ratio 1:1 = CA 1:1 L handpiece
- Speed = 6,000 RPM
- Torque = 3.5 Ncm (100%)

5. Program 5 = FG Prosth

- Ratio 1:5 = CA 1:5 L handpiece
- Speed = 20,000 RPM
- Torque = 0.70 Ncm (100%)

6. Program 6 = Straight Adjustment

- Ratio 1:1 = Straight Attachment
- Speed = 40,000 RPM
- Torque = 3.5 Ncm (100%)

Glidewell Fellowship Program

Beginning Summer 2018



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Port Beach, California



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Help shape the future of dentistry, and increase the affordability of advanced dental procedures.

Compensation and Benefits

- Salary and living allowance of \$180,000 per year
- Full Glidewell employee benefits package including medical insurance, 401(k) retirement plan, vacation and sick leave, and many other benefits, subject to Glidewell policies
- Paid malpractice insurance
- Paid attendance to selected dental meetings and CE courses

Application Procedures

- Deadline: April 1, 2018**
- Submit the following:

One- to two-page letter summarizing applicant's background and interest in the Glidewell Fellowship Program

Copy of California dental license

Three letters of reference from persons with knowledge of the applicant's skills and potential, including one from the Program Director

Submit application materials to:

Dr. Neil Park

Vice President of Clinical Affairs

Glidewell Dental

18551 Von Karman Ave.

Irvine, CA 92612

elizabeth.harrington@glidewelldental.com

*Fellow understands and agrees that Fellow is an "at will" employee of Glidewell and is subject to all employee personnel policies and procedures of Glidewell, except as may be otherwise provided by this Agreement. Fellow agrees that breach of this Agreement or Glidewell policies could constitute grounds for immediate termination.

Typical working hours are 8 a.m. to 5 p.m. weekdays, with occasional weekends required. Salary and allowance are payable weekly, subject to payroll deductions required by U.S. Federal and California State law.

****Applicants will be selected for on-site interviews in early April, with final selection by May 1, 2018.**

Glidewell Fellowship Program

Over four decades after starting as a one-man dental laboratory, Glidewell Dental is the largest dental laboratory in the world, pioneering CAD/CAM technology, and developing and manufacturing a wide variety of restorative materials and implant components. The large Research and Development team includes six dentists on site, providing their expertise in the clinical performance of materials in our three operatories, the development of materials in our R&D department and the continuing education for dentists in our state-of-the-art Glidewell International Technology Center.

The Glidewell Fellowship Program provides a unique clinical and research opportunity for a doctor who has recently completed specialty training in prosthodontics or periodontics, or advanced training in general dentistry.

Candidate Eligibility/Requirements

- DDS or DMD degree
- Active California dental license
- Completion of specialty training program in periodontics or prosthodontics
- or—
- Completion of General Practice Residency Program (GPR) or Advanced Education in General Dentistry (AEGD)
- Competence in dental implant placement, both freehand and digitally guided

Program Length

- One year (approximately August 1, 2018 to July 31, 2019)*

Number of Applicants Accepted Each Year

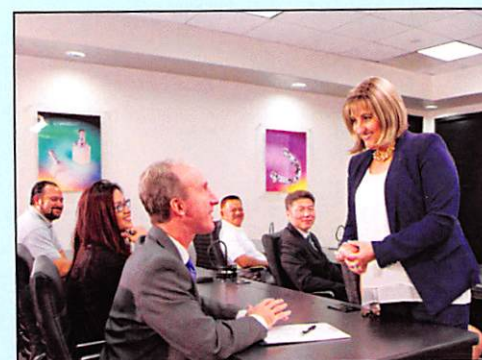
- One

Primary Duties and Responsibilities

- Treat patients at the clinical facility at the Glidewell International Technology Center to generate case documentation for research, teaching and marketing purposes.
- Develop and conduct a clinical research project.
- Lecture at courses and symposia.



Practice and conduct clinical research in the largest, most advanced dental laboratory in the world.



Teach accredited CE courses.



Learn about the product development process and provide input.



Present research findings at global meetings.



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